

PVC INSULATED CABLES

H05VV-F



ROUND, PVC INSULATED AND ORDINARY PVC SHEATHED FLEXIBLE CORDS



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Made in Italy

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TECHNICAL FEATURES

Rated Voltage	Max. operating temperature	Min. Temperature of installation	Max. Temperature of short circuit	Min. internal bending radius	Max mechanical stress
300/500 V	70 °C	5 °C	150 °C	6xD	5 Kg/mm ²

CONSTRUCTION FEATURES

Conductors :	Flexible cord in red or tinned copper, class 5 (EN 60228, IEC 60228).
Insulation :	Thermoplastic polyvinyl chloride compound. Electrical insulation of cables for mobile connections.
Sheath :	Thermoplastic polyvinyl chloride compound type TM2. Protective sheath of cables usually used for mobile connections, even in wet environments.
Identif. colours :	Core identification in compliance with CENELEC HD 308 in force.
Standards :	Max strain in static duty conditions: 1,5 Kg/mm ² . Flame retardant. EN 50525-2-11, RoHS 2011/65/UE

GUIDE TO USE

Suitable in domestic premises and offices.
 For ordinary duty applications and household appliances, including in damp premises (e.g. vacuum cleaners, washing machines, spin dryers and refrigerators).
 Use outdoors for temporary periods of short duration.
 Suitable for a maximum conductor operating temperature of 70°, if the cables are used inside equipments or without contact with skin.

DIMENSIONAL FEATURES AND ELECTRICAL PROPERTY

Number and nominal cross-sectional area of conductors (n° x mm ²)	Mean overall diameter (mm)	Indicative weight of Cable (g / m)	Conductor		Insulation		Sheath		Current ratings (A) with ambient temp. lower than:				Article Code	
			Diameter max. of wires (mm)	Max. resistance		Thickness (mm)		Thickness (mm)		with ambient temp. lower than:				
				Res. El (ohm/Km at 20° C)	RedCu	Str Cu.	Mid.	Min.	Mid.	Min.	30°C FM*	30°C FI*		30°C PL*
2x0,75	6,2 ±0.2	56	0,210	26,000	26,700	0,6	0,44	0,8	0,58	6	7	NP	NP	IHSV02007
3x0,75	6,6 ±0.2	66	0,210	26,000	26,700	0,6	0,44	0,8	0,58	6	7	NP	NP	IHSV03007
4x0,75	7,2 ±0.2	83	0,210	26,000	26,700	0,6	0,44	0,8	0,58	6	7	NP	NP	IHSV04007
5x0,75	8,0 ±0.2	102	0,210	26,000	26,700	0,6	0,44	0,9	0,66	6	7	NP	NP	IHSV05007
2x1	6,6 ±0.2	65	0,210	19,500	20,000	0,6	0,44	0,8	0,58	10	11	NP	NP	IHSV02010
3x1	7 ±0.2	79	0,210	19,500	20,000	0,6	0,44	0,8	0,58	10	11	NP	NP	IHSV03010
4x1	7,80 ±0.2	100	0,210	19,500	20,000	0,6	0,44	0,9	0,66	10	11	NP	NP	IHSV04010
5x1	8,60 ±0.2	123	0,210	19,500	20,000	0,6	0,44	0,9	0,66	10	11	NP	NP	IHSV05010
2x1,5	7,6 ±0.2	88	0,260	13,300	13,700	0,7	0,53	0,8	0,58	16	19,5	NP	NP	IHSV02015
3x1,5	8,2 ±0.2	109	0,260	13,300	13,700	0,7	0,53	0,9	0,66	16	17,5	NP	NP	IHSV03015
4x1,5	9,30 ±0.2	142	0,260	13,300	13,700	0,7	0,53	1,0	0,75	16	17,5	NP	NP	IHSV04015
5x1,5	10,30 ±0.2	176	0,260	13,300	13,700	0,7	0,53	1,1	0,84	16	17,5	NP	NF	IHSV05015
2x2,5	9,20 ±0.2	132	0,260	7,980	8,210	0,8	0,62	1,0	0,75	20	26	NP	NP	IHSV02025
3x2,5	10,00 ±0.2	167	0,260	7,980	8,210	0,8	0,62	1,1	0,84	20	24	NP	NP	IHSV03025
4x2,5	10,90 ±0.2	206	0,260	7,980	8,210	0,8	0,62	1,1	0,84	20	24	NP	NP	IHSV04025
5x2,5	12,10 ±0.2	255	0,260	7,980	8,210	0,8	0,62	1,2	0,92	20	24	NP	NP	IHSV05025
2x4	10,60 ±0.2	185	0,310	4,950	5,090	0,8	0,62	1,1	0,84	30	34	NP	NP	IHSV02040
3x4	11,40 ±0.2	232	0,310	4,950	5,090	0,8	0,62	1,2	0,92	30	32	NP	NP	IHSV03040
4x4	12,50 ±0.2	290	0,310	4,950	5,090	0,8	0,62	1,2	0,92	30	32	NP	NP	IHSV04040
5x4	14,10 ±0.2	366	0,310	4,950	5,090	0,8	0,62	1,4	1,09	30	32	NP	NP	IHSV05040

* [FM = Free movement] [FI = Fixed installation] [PL = Pipe laying] [EL = Earth laying]

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